

# 400W Polycrystalline Solar Panel

This polycrystalline solar panel utilizes Grade A+ solar cells, each with a complete IV curve. It features high safety and a long lifespan.



## Overview

### High-Efficiency 400W Solar Solution

This 400W solar panel utilizes Grade A+ solar cells with 5 busbar (5BB) technology to ensure superior current collection and long-term reliability. Designed for both residential and commercial applications, it offers a high conversion efficiency of over 19.5% and is built to withstand harsh environmental conditions. With a robust 25-year linear performance warranty, it provides a dependable and sustainable energy yield for grid-tied and off-grid systems.

## Key Performance Metrics

### Performance Highlights

**400 W**

Peak Power

**19.8 %**

Conversion Rate

**1500 V DC**

Max System Voltage

## Electrical Specifications

### Electrical Parameters

Parameter	Value
Best Working Voltage (Vmp)	42.29V
Best Working Current (Imp)	9.46A
Open Circuit Voltage (Voc)	49.10V
Short Circuit Current (Isc)	10.35A
Maximum Protection Current	20A

## Thermal Characteristics

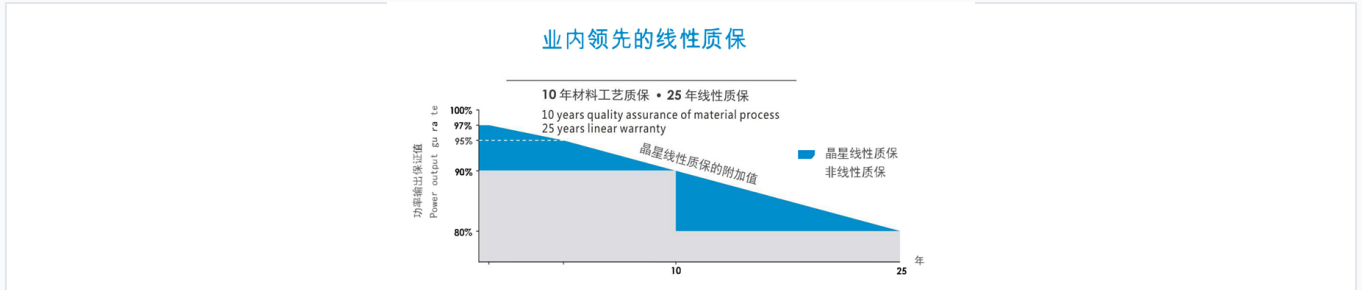
### Temperature Coefficients

Type	Coefficient
Pmax Temperature Coefficient	-0.46%/°C
Voc Temperature Coefficient	-0.34%/°C
Isc Temperature Coefficient	+0.05%/°C
Rated Operating Temperature	45±2°C

## Physical Construction

Dimensions	2014mm * 1002mm * 35mm
Weight	22.5 kg
Cell Layout	144 (6*24) Mono-crystalline cells

## Warranty & Reliability



Industry-leading 25-year linear warranty ensures long-term energy production and reliability.

### Warranty Policy

- 10 years quality assurance of material process
- 25 years linear power output warranty
- Guaranteed 80% power output at 25 years

### Operating Temperature Range

-40°C to +85°C

## Applications

<p>Successful solar power station projects from "QIXING"</p> <p>For "villa" project</p> <p>For "villa" project</p> <p>For "office building" project</p>	<p>Successful solar power station projects from "QIXING"</p> <p>For "company" project</p> <p>For "factory" project</p> <p>For "car parking" project</p>	<p>Successful solar power station projects from "QIXING"</p> <p>For "solar power station" project in the mountain</p>
<p>Versatile application examples including residential villa and commercial office projects.</p>	<p>Scalable solutions for factory rooftops and solar car parking structures.</p>	<p>Proven performance in large-scale utility projects and challenging terrains.</p>
<p><b>Suitable Applications</b></p>		<p>Residential Villas, Office Buildings, Industrial Factories, Car Parking, Mountain Power Stations</p>